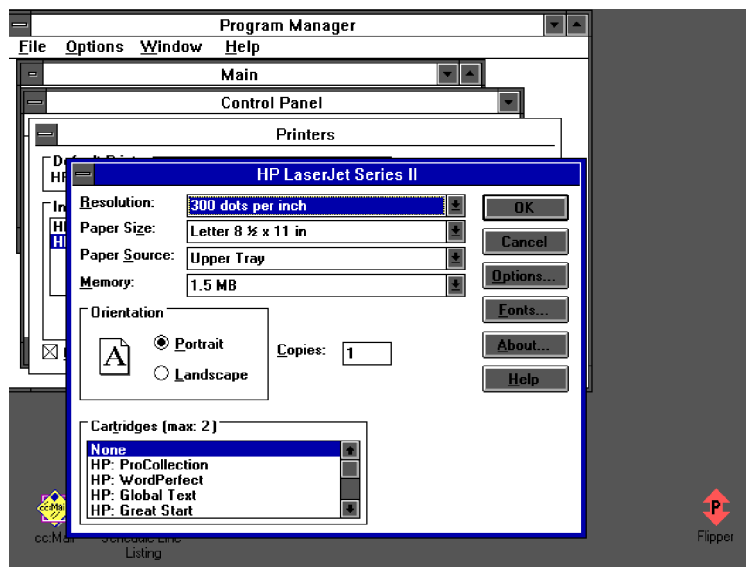


4. Printing Schedules with LINELIST

LINELIST generates tabular listings of selected schedules based on criteria you select.

Before generating any kind of listing, make sure the paper orientation is set to LANDSCAPE mode. There are two ways to do this:

- Use the Printer Selection options in the Windows Control Panel application.



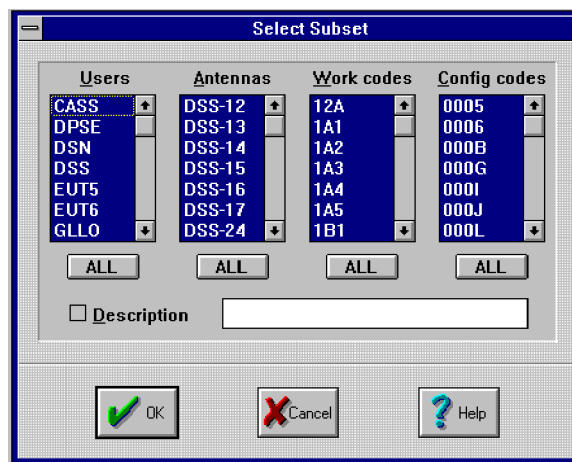
- Or, use the shareware utility called FLIPPER. The Flipper icon indicates the paper orientation. To change it, double click on the icon with the left mouse button to change the orientation.

To generate a schedule listing:

- (1) From the Microsoft Windows Program Manager window, double click on the FASTER group icon.
- (2) From the FASTER Program group window, double click on the **LineList** icon.



LINELIST displays the “Select Subset” dialog box to show your current choices of users, antennas, work codes, and configuration codes based on your previous LINELIST session. If you wish to make any changes you can make them here.



- (3) Click **OK** to continue.

LINELIST displays the “Schedule Line Listing” dialog box. In this dialog box, you can set the criteria for the schedule to be listed out and what, if any, conflicts will be checked.

(4) Enter the following information:

Schedule Info

Start Week
Start Year
End Week
End Year

Conflict(s) to flag

LINELIST offers a choice of six conflict types it will check:

- Antenna Two or more activities scheduled on the same antenna during the same period.
- AOS Three antennas acquiring signal within 30 minutes of each other.
- PPM Precision Power Monitor equipment scheduled by two or more projects simultaneously.
- DSP-R Digital Signal Processor (DSP) for Radio Astronomy scheduled by two or more projects simultaneously.
- DSP-V Digital Signal Processor (DSP) for VLBI scheduled by two or more projects simultaneously.
- RFI Radio Frequency Interference.

By default, all these conflicts are turned on. To de-select or turn off one or more of these, simply click on any item you do not want. That item will become greyed

indicating it has been turned off.

Sort Order

If you wish a sorting order other than the default day of year (DOY) or a further second or third sort order, click on the combo box of the grouping criteria you wish and select the sort key.

You may choose one to three sorts. The choices are:

- DOY Day of Year (the default).
- User Projects.
- Antenna DSN antennas.
- Work Code DSN work codes.
- Configuration Code DSN configuration codes.
- Description Schedule item descriptive texts.
- None No sorting required.

For example, if you want a listing sorted and grouped, first by day, then user, and then antenna, select DOY under **1st**: User under **2nd**., and Ant under **3rd**..

Clicking the checkmark box next to the sort order boxes causes a sort key title to display on the output listing.

Display Options

This option will display the relevant Flight Project (i.e. NSS) viewperiods in the LINELIST output. If there are no relevant viewperiods for a schedule activity the field will be left blank. To use this option click on the **Show Viewperiods** checkmark box.

To use this option click on the **Changes Since** checkmark box and in the field beside it, enter the date and time of interest using the format MM/DD/YY HH:MM.

Print Destination

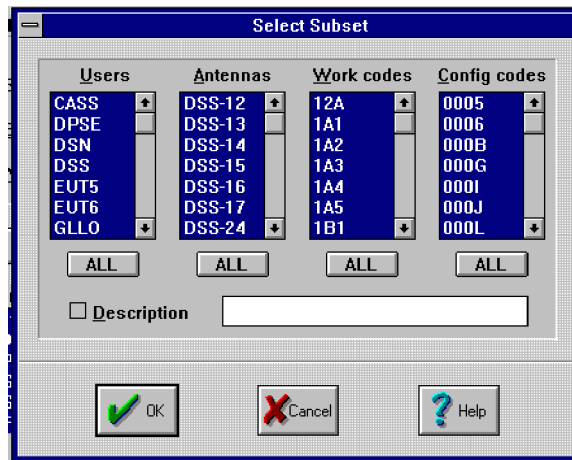
You have two options for the destination of your print output:

- Print Send output to designated printer.
- File Send ASCII output to a designated file.

To select one or both options, click on the **Print** and/or **File**: checkmark boxes. If you select **File**:, enter the desired file name in the field to the right.

Note: Although the full DOS file pathname is optional, if you do not include the pathname, the output file will be written to \FASTER\EXE subdirectory of the JPL-RAP file server. The full pathname is thus recommended.

- (5) If you wish to list out only a subset of the total schedule information,
- (a) click on the **Select Subset...** button under the **Schedule Info** fields. LINELIST displays the "Select Subset" Dialog box.

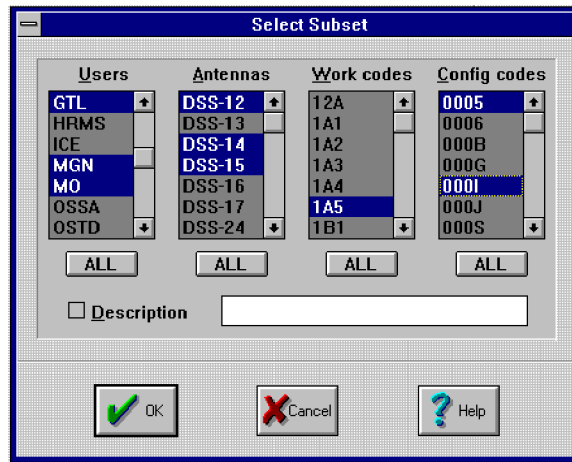


Four list boxes contain the total number of available users, antennas, work code categories, and configuration codes available for listing.

By default, all items are selected although not

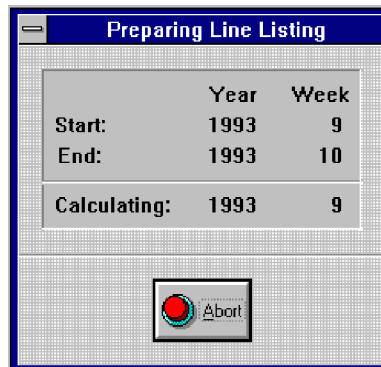
highlighted.

- (b) Select the relevant combination of attributes, such as this example, to create the desired subset for printing:



- (c) When finished making all selections, click **OK**. You are returned to the “Line Listing Settings” dialog box.
- (6) In the “Line Listing Settings” dialog box, click **OK**.

LINELIST generates a listing and displays a message box tracking the generation process.



To terminate the process before completion, click on the **Abort** button.

Remote Access

With version 2.1 LINELIST now allows external users to access the Schedule database and list out selected schedule weeks.

To access the schedule weeks a listing of users is maintained in a file called LINELIST.INI found in the \FASTER\DATA subdirectory.

```
[Settings]
ProjSchedName=MIDJ
ProjDB=MIDJ_YFW.SCH
ProjSchedDir=\home\yfwang\faster\data
```

```
[RAT Members]
MBREWER=
NLACEY=
FLEPPLA=
EHAMPTON=
TTATE=
SLOYOLA=
SZENDEJA=
YFWANG=
```

```
[Projects]
CAS=
DSN=
DSPS=
DSS=
GLL=
GSSR=
GTL=
HRMS=
ICE=
IRAM=
ISO=
MGN=
NEAR=
OSSA=
OSTD=
PATH=
PN10=
PN11=
PN6=
RAES=
RASA=
SVLB=
ULYS=
VGR1=
VGR2=
WIND=
```

There are two (2) classes of users:

- (1.) Resource Analysis Team
- (2.) Project Schedulers

To add new project users simply add the name under the [Project] section of the LINELIST.INI using any ASCII text editor.